

CLAIMS

1. A method to allocate a reverse link within a band class, said reverse link
communicatively coupling a base station and a mobile station, comprising:

transmitting first information on a multi-carrier forward link comprising
multiple frequencies;

receiving said first information at said mobile station;

transmitting second information on said reverse link at one of said
multiple frequencies; and

receiving said second information at said base station.

2. The method in accordance with claim 1, wherein said multiple
frequencies support any combination of code channels.

3. The method in accordance with claim 2, wherein one of said code
channels on said forward link is used to communicate power control
information for said reverse link and a fundamental channel.

4. The method in accordance with claim 3, wherein a channel other than
said one of said code channels is used for a supplemental channel.

5. The method in accordance with claim 1, wherein said reverse link is
varied over said band class allocated to said mobile station.

6. The method in accordance with claim 5, wherein said multiple
frequencies consist of three frequencies.

7. The method in accordance with claim 6, wherein said multiple
frequencies are adjacent frequencies.

8. The method in accordance with claim 6, wherein said multiple
frequencies are adjacent frequencies separate from another frequency
supporting another type of channel, said another type of channel being different
than channels supported by said adjacent frequencies.

9. The method in accordance with claim 8, wherein said another type of
channel is a time-division-duplexing channel, and said channels are frequency-
division-duplexing channels.

add
c1
add
Dk